

IN THE CLAIMS

The following is a complete listing of the claims, and replaces all earlier versions and listings.

1. (currently amended) A data acquisition method of non-real time transmitting in a seismic data acquisition system applied in a mountainous region, comprising ~~has~~ the following steps of:

(1) using ~~the~~ eight digit[[s]] file names representing an absolute time together with three digit[[s]] extension names representing equipment serial names as ~~[[the]]~~ a format of original record file names, wherein the eight digit[[s]] file names and three digit[[s]] extension names ~~consisting~~ of Arabic numerals 0-9 and English letters, and ~~[[;]]~~

(2) wherein all original record file[[s]] names in a data acquisition unit ~~being~~ are 8 + 3 digit[[s]] file names and ~~consisting~~ of Arabic numerals 0-9 and English letters, ~~[[;]]~~ the former eight digits representing years, months, days, hours, minutes, and seconds, ~~[[;]]~~ and the latter three extension ~~names~~ digits representing the equipment[[’s]] serial ~~number~~ names of the data acquisition ~~units~~; units;

(3) generating, by ~~[[the]]~~ detonating units, ~~generating~~ SPS (Shell's Processing Support) format spreadsheets of 3-D land seismic exploration assistant data according to the file names generating method of the using step ~~[[(1)]]~~, and, at the same time, ~~it is appointed that by~~ ~~means of~~ distinguishing intermittence signals generated by ~~the~~ high voltage circuits in the detonating units, ~~[[the]]~~ and writing, by operating systems in the detonating units, ~~[[write]]~~ the ~~effective explosion's~~ absolute operating time of an effective explosion into SPS format spreadsheets of 3-D land seismic exploration assistant data according to the ~~detonating unit's~~ file names generating method of the detonating unit when there are intermittence signals, and

not recording ~~the said~~ any absolute operating time in SPS format spreadsheets of 3-D land seismic exploration assistant data when there are no intermittence signals;

(4) combining ~~the multiple detonating unit's~~ SPS format spreadsheets of 3-D land seismic exploration assistant data from the multiple detonating units according to SPS format spreadsheets of 3-D land seismic exploration assistant data, which are generated by the multiple detonating units to prepare for retrieving the data; and, while retrieving, inputting the combined ~~multiple detonating unit's~~ SPS format spreadsheets of 3-D land seismic exploration assistant data from the multiple detonating units into [[the]] data retrieval retrieve units, which consist of microprocessors having a system bus;

recording the [[above]] file names ~~effectively recorded~~ in SPS format spreadsheets of 3-D land seismic exploration assistant data ~~being on the basis of~~ using the former eight digit~~[[s]]~~ file names; connecting the data acquisition units and the data retrieval retrieve units by network lines ~~in the way of network~~; operating the data ~~retrieving programmes~~ retrieval programs in the data retrieval retrieve units; connecting [[the]] special plugs of the data retrieval retrieve units to [[the]] special plugs of the data acquisition units; and initiating the data ~~retrieving programmes~~ retrieval programs to command the systems to complete the following operations:

a) searching the original file data effectively recorded in the data acquisition units and copying the original file data effectively recorded in the data acquisition units into the data retrieval retrieve units;

b) setting the original file~~[[s]]~~ data effectively recorded as read-only attributes on the ~~disks of computer~~~~[[s]]~~ disks in the data acquisition units to prevent loss of ~~to lose~~ the data, and, in that case, the data can be retrieved;

c) ~~Deleting~~ deleting the ~~great amount of~~ unnecessary data acquired to free

~~release the space of the disk~~[[s]] space so as to prepare for the next recording; and [[.]]

(5) arranging the data sequences indoors after the data retrieving operations; rearranging the original file data effectively recorded in the multiple data ~~retrieve~~ retrieval units into the format recorded in the unit of shots according to [[“]]the ~~regulations~~ format of the ~~same file~~ original record names[[”]] on the basis of the layout to provide to the system of processing data.

2. (currently amended) [[A]] The data acquisition method of non-real time transmitting in a seismic data acquisition system applied in mountainous regions according to as claim 1, wherein when the ~~generation of~~ original file names generated and recorded in the data acquisition units are recorded once for every minute, the former eight digits have the following meaning: the first digit of the former eight digits represents years and consists of Arabic numerals and English letters, and is circularly used ~~again and again~~ repeatedly for 36 years; the second digit represents months and consists of Arabic numerals, and is denoted according to the practical calendar; the fifth and the sixth digits represent hours and consist of Arabic numerals, and [[is]] are denoted according to a the 24 hour[[s]] system; and the seventh and the eighth digits represent minutes and consist of Arabic numerals, and [[is]] are denoted according to a the 60 minute[[s]] system.

3. (currently amended) [[A]] The data acquisition method of non-real time transmitting in a seismic data acquisition system applied in mountainous areas according to as claim 1, wherein when the ~~generation of~~ original file names generated and recorded in the data acquisition units are recorded once for every ~~ten-seconds~~ ten seconds, the former eight digits have the following meaning: the first digit of the former eight digits represents years and

consists of English letters, and is circularly used ~~again and again~~ repeatedly for 26 years; the second digit represents months and consists of Arabic numerals and English letters; the third digit represents days and consists of Arabic numerals and English letters, and is denoted according to the practical calendar; the fourth and the fifth digits represent hours and consist of Arabic numerals, and ~~[[is]]~~ are denoted according to ~~a~~ the 24 hour~~[[s]]~~ system; the sixth and the seventh digits represent minutes and consist of Arabic numerals, and ~~[[is]]~~ are denoted according to ~~a~~ the 60 minute~~[[s]]~~ system; and the eighth digit represents seconds; and every ten-second~~[[s]]~~ unit is used as a measure unit.

4. (currently amended) ~~[[A]]~~ The data acquisition method of non-real time transmitting in a seismic data acquisition system applied in mountainous areas according to ~~as~~ claim 1, wherein the extension names of the detonating units are . _XX, which denote the serial number of ~~making~~ the detonating units, and the latter two digits after the underscore ~~underline~~ consist of Arabic numerals 0-9 and English letters, which are permuted and combined.